

# Dr. Jashodeb Arjun

## PERSONAL INFORMATION

Date of Birth- 24.08.1961

Sex- Male

## ADDRESS

Malugram Shib Bari Road,

House no- 128, Silchar-788002, Assam, INDIA



## EMAIL ID

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## CONTACT

9435363597 (Cell)

## SPECIALISATION

CELL AND MOLECULAR BOLOGY

## RESEARCH INTERESTS

Endogenous Zotherapy, Heavy metal toxicology

## EDUCATION

Ph.D.: Department of Zoology, Gauhati University, Guwahati, Assam

M.Phil.: Department of Zoology, North Eastern Hill University, Shillong, Meghalaya

Diploma: Dept. of Biotechnology. Bioinformatics Institute of India, Noida, Uttar Pradesh

M.Sc.: Department of Zoology, Gauhati University, Guwahati, Assam

## APPOINTMENTS

1. Professor: Department of Zoology, Royal Global University, Guwahati-781035, Assam, from April 2023 to Present.
2. Associate Professor: Department of Zoology, Silapathar Science College, Silapathar-787059, Assam from September 2021 to March 2023.
3. Associate Professor: Department of Zoology, Lumding College, Lumding-782447, Assam, from September 1986 to August 2021.

## **PUBLICATION(S)- INTERNATIONAL**

1. Cell-Cell association in Ascitis Dalton's lymphoma and the effect of cisplatin in vivo – Anti Cancer Drugs, France (1990).
2. Use of sub therapeutically dose of cisplatin and Vit-C against marine Dalton's lymphoma (PL ISSN 0301-0244) – Poland Journal of Pharmacy (1992).
3. Effect of pre-natal lead toxicity on surface ultra-structural element composition and infra-red absorption characteristics of the skin of albino mice – Cytobios (1997).
4. Role of Vitamin – C Pretreatment in reducing the blood lead level and lead induced toxic effect in erythrocyte cell membrane – Proceeding National Academy of Science, India (2002).
5. Abnormalities in surface intra structural features and infrared absorption characteristics of the lens of albino mice born to females receiving oral doses of lead during pregnancy – Biomedical letters (1997) Cambridge, Great Britain.
6. Cell membrane dynamics in albino mice offspring born to females with lead induced toxicity during pregnancy – A S.E.M. study. – Biomedical letters (1999) Cambridge Great Britain.
7. A study of role of Ascorbic acid in induced lead toxicity – A spectroscopic study. – Journal of current Science (2004).
8. Crystal Structure of Cantharidin evaluation – International Journal of Bio assays (2013) ISSN – 2778-778X.
9. Antitumor activity of *Mylabris Cichorii* extracts against Murine Ascitis Dalton's lymphoma – Journal of Pharmacy Research (2010) ISSN 0974 – 6943.
10. Homology modeling of phosphoenol Pyruvate carboxy kinase of *Ascaris sum* – Journal of Pharmacy Research (2012) ISSN 0974 – 6943.
11. Homology modeling and characterization of phosphoenol pyruvate carboxy kinase (PEPKCK) from *schistosoma japonicum*. – Journal of Pharmacy and Biological Science (2013) ISSN 2319 – 7676.
12. Traditional healing with animals (Zootherapy) by major ethnic group of Karbi Anglong district of Assam, India. – Indian Journal of Traditional Knowledge (2014).

13. Method of preparation and biochemical analysis of local tribal wine 'Judima' an indigenous alcohol used by Dimasa Tribe of North Cachar Hills district of Assam. International Food Research Journal (2012).
14. The effect of Endosulfan (35%) on Lactate dehydrogenase enzyme system on the fresh water air breathing telecast fish. Channa gachua (Hamilton). – Bio Science Biotechnology Research Communication ISSN – 0974 – 6455 (Vol-7) 2014.
15. Comparative biochemical analysis of certain indigenous rice beverages of Assam with foreign liquor. – Bio science Biotechnology Research Communication ISSN – 0974 – 6455 (Vol-8) 2015.
16. A faunal diversity of Lumding Reserve Forest with special reference to Avian fauna – Bio Science Biotechnology Research Communication ISSN – 0974 – 6455 (2016).
17. Relative impacts of different diets on the qualities of ERI silk cocoon and ERI silk yarn of four different mutants' strains of Philosomia ricini Bsd. – International Journal of Research Granthaalayah – ISSN – 2350-0530(O) ISSN- 2394-3629(P).
18. Relative impacts of different seasons on the qualities ERI Silk cocoon and ERI Silk Yarn of four different mutant strains of Philosamia Ricini Bsd. Granthaalayah – ISSN – 2350-0530(O) ISSN- 2394-3629(P).
19. Physico-chemical and fungal diversity analysis of different sources of polluted water of Cacher District. Volume 10 Number 3 BBRC ISSN- 2321-4007(2017).
20. Evaluation of industrial effluent and domestic sewage genotoxicity using Allium sepa bioassay. BBRC July ISSN-2321-4007(2018).
21. A Survey on analysis of physico-chemical parameters of flowing water of Manderdisa stream of Dima –Hasao, Assam .India BBRC ISSN- 2321-4007(2017).
22. A Survey on analysis of physico-chemical parameters of flowing water of Langting stream of Dima –Hasao, Assam .India BBRC ISSN- 2321-4007(2018).
23. A Survey on The Diversity of Beetle in Lumding, Transstellar Publications, ISSN- 2321-0087(2021).
24. A Survey on The Diversity of Ants in Lumding, Transstellar Publications, ISSN- 2321-0087(2021)

25. Cytogenetic effects induced by Paper Mill Effluent and Domestic Sewage in mice test system. Volume 10, International Journal of Environment, Ecology, Family and Urban Studies (IJEEFUS), ISSN 2321-40072020.
26. A Survey on Diversity of Termites in Luming Domestic and Forest area, Transstellar Publications, 2021.
27. Ecotoxicological risk assessment of paper mill effluent waste water, BBRC, December, ISSN 2321-4007(2021).
28. Feeding habits and behavioural study of black drongo (*dicrurus macrocercus*) in Luming, assam, Transstellar Publications, 2021.
29. Review of insect diversity at Silapathar, Transteller (publication), 2021.
30. Beetle diversity and abundance in Lakhimpur, Assam BBRC ISSN – 2321-4007 (2022).

### **PUBLICATION(S)- NATIONAL**

1. Vegetation in Dorgakona locality of Silchar in Assam – Env & Ecology ISSN 0970 – 0420 (2003).
2. Genetic survey among the Kuki Tribal population in loharband Area of Cachar, Assam. – Env & Ecology ISSN 0970 – 0420 (2002).
3. Role of Vitamin C reducing the toxic effect of lead in Erythrocyte cell membrane of Albino mice. – Env. & Ecology ISSN 0970 – 0420 (2004).
4. Drinking water in Lumding – its quality according to different physico-Chemical characteristics. – Env & Ecology ISSN 0970 – 0420 (2004).
5. Effect of detergent Vanish on hematological Parameters of Channa Punctatus. – Env & Ecology ISSN 0970 – 0420 (2011).
6. Effect of detergent (Vanish) on macro molecular metabolism in different tissues on Channa Punctatus. – Env & Ecology ISSN 0970 – 0420 (2011).
7. Microbial and biochemical analysis of local wine jumai and indigenous alcohol used by Boro Kachari people. – Env & Ecology ISSN 0970 – 0420 (2012).
8. A survey on Glucose – 6 phosphate dehydrogenase and other blood parameters among the tribal people of Dima Hasao district (N.C. Hills) Assam. – Env & Ecology ISSN 0970 – 0420 (2013).
9. Toxic effect of lead in different tissues of Albino mice and revival effect of vitamin. – Env & Ecology ISSN 0970 – 0420 (2013).

## **CONTRIBUTIONS TO SOCIAL LIFE-**

1. Organizing Medical Health Camp under the aegis of “Ramakrishna Seva Samitty, Lumding”. thrice in every year since 1990 till today.
2. Established a L.P. School at Gourbasti, Lumding named “Vivekananda Siksha Niketan” in 1992 under the aegis of “Ramakrishna Seva Samitty, Lumding”.
3. Act as a member of Executive Committee of “Dakshin Lumding School, Lumding” from 1996-2017.
4. Organizing relief camp for needy people under the aegis of “Ramakrishna Seva Samitty, Lumding” in Lanka, Hojai, Chaparmukh in flood affected area in the year 2006, 2014, 2016 2018, 2020, 2022.
5. Act as a President of “Ramakrishna Seva Samitty, Lumding” since 2014 and distributed blanket for needy people on National Youth Day.
6. Act as a President of Ramakrishna Seva Samitty, Lumding since 2014 and distributed sarees and dhoti for needy people on the eve of Durga Puja.
7. In association with Ramakrishna Mission, Silchar and provided dresses for 1,500 people in slum area of Lanka, Lumding and Langting of Assam.
8. Provided relief to 2,500 people on 2020, 2021 with rice, dal, mustard oil etc. during COVID period in different fringe area of Middle Assam.
9. Act as a member of Executive Council of “Pranabanda H.S. School, Lumding” from 2002 to 2021.
10. Act as a life member of “Nature Club” affiliated to “Natures Bacon”, an environmental activist group of North-East India.

## **CONTRIBUTIONS TO CORPORATE LIFE OF INSTITUTION-**

1. Act as a Convenor of “College Annual Outdoor Games Event” at Lumding College, Lumding, 2003.
2. Act as a Programme Officer, NSS since 2004.
3. Act as an active member of “College Annual Sports and Games Event” at Lumding College, Lumding, 2005.
4. Act as a Programme Officer in “National Integration Camp” organized by University of Mumbai in 2005.
5. Act as a member of “Committee on Environmental Studies at Lumding College, Lumding, 2005-06.
6. Act as an Assistant Convenor of College Admission at Lumding College, Lumding, 2010.
7. Act as a member of “Research Development Committee” at Lumding College, Lumding, since 2013.
8. Act as a NSS convenor at Lumding College, Lumding, since 2013.
9. Act as an Assistant Officer I/C (AOC) for H.S Final examination at Lumding College, Lumding, 2013.
10. Act as a member of “Extension activities Committee” at Lumding College, Lumding, 2016.
11. Act as an Assistant Zonal Officer in T.D.C 4<sup>th</sup> semester examination (ARTS stream) for degree courses at Lumding College, Lumding, 2017.
12. Act as an Assistant Officer I/C (AOC) for semester exam for degree courses at Lumding College, Lumding, 2017.
13. Act as an Assistant Officer I/C (AOC) for semester exam for degree courses at Lumding College, Lumding, 2018.
14. Act as an Assistant Officer I/C (AOC) for semester exam for degree courses at Lumding College, Lumding, 2019.
15. Act as a member of Research Consultancy & Extension Service at Lumding College, Lumding.

### **CONFERENCE/ SEMINAR ATTENDED-**

1. Presented a paper on “Role of Science Education in secondary level”, 9-10th September, 2001 organised by Educational Foundation, Nagaon, Assam.
2. Attended Training course entitled “Animal Tissue Culture with special reference to virology” 1-30<sup>th</sup> June, 2004 organized by Dept. of Tissue Culture and Cell Biology, ICMR-Pune.
3. Attended training workshop on “Helping Hoolock Gibbons Hang on”, 26-28<sup>th</sup> February, 2007 organized by Zoo Outreach organization and Wildlife information Liaison Development Society.
4. Attended Indo-USA workshop on” Epigenetic Regulation and Genome Control (Emphasis on RNAi and microRNA)”, 16-18<sup>th</sup> December, 2009 organized by Centre for Cellular and Molecular Biology, Hyderabad.
5. Participated International conference on “Recent Trends on Medicinal and Aromatic plants researches”, 1-5<sup>th</sup> December, 2010 organized by the Dept. of Life science and Bioinformatics in collaboration with Bioinformatics Centre, Assam University, Silchar.
6. Presented paper on “Effect of vanish detergents on Metabolism” 9-11<sup>th</sup> December, 2011 organized by Dept. of Environmental Science, University of Kerela, Thiruvananthapuram.
7. Attended International Conference on “Anthropogenic impact on environment and conservation strategies”, 2-4<sup>th</sup> November,2012 organized by Department of Zoology, Ranchi University, Ranchi and Department of Zoology and Botany, St. Xavier’s College, Ranchi.
8. Presented paper on “Frontiers of Wetland, Fishery Science and Aquaculture research in the new millennium (Wetland 2012)”. 21-22<sup>nd</sup> November, 2012 organized by Dept. of Life Science and Bioinformatics, Assam University, Silchar
9. Presented poster entitled “Flow Cytometry based study”, 8-9th February,2014 organized by Cachar Cancer Hospital and Research Centre.



10. Presented a paper on “Impact of climate change on Asian fauna (Black Drongo)”, 8th November, 2014 organised by National Seminar Organizing Committee, Lumding College, Lumding.
11. Presented a paper on “Physico- chemical and fungal diversity analysis of water from two different sources of water pollution from cachar districts”, 28-29<sup>th</sup> June, 2017 organised by Dept. of Geology, Lumding College, Lumding.
12. Presented a paper on “A SEM studies on erythrocyte membrane alteration in *Channa punctatus* induced by NaF”, 28-29<sup>th</sup> June, 2017 organised by Dept. of Geology, Lumding College, Lumding.
13. Presented a paper on “Effect of pollution on an ecosystem: a case study on Langting Hill stream of Dima Hasao district”, 28-29<sup>th</sup> June, 2017 organised by Dept. of Geology, Lumding College, Lumding.
14. Delivered invited talk on International Conference on “Role of Biodiversity conservation in promotion of adventure tourism and entrepreneurship”, 22-24<sup>th</sup> February, 2019 organized by Department of Zoology, Hojai College, Hojai.

## **ACHIEVEMENTS**

1. Received “Honorary Fellowship of Society for Science and Nature”, by Society for Awareness and Advancement of Science, Bhopal.
2. Received “Certificate of Life Membership of Bioscience Biotechnology Research Communication” by Bioscience Biotechnology Research Communications, Bhopal.
3. Member of Education delegation that visited China on “Higher Education tour to China for faculty, Research scholar and Students from India” 13-18<sup>th</sup> April, 2017 organised by India-China Alliance for Cooperation, New Delhi, India.

## **BOOK PUBLISHED**

1. A text book of Modern Zoology – Vol – I ISBN: 978 93-80251.
2. A text book of Modern Zoology – Vol – II ISBN: 978 93 80261.

## **TEACHING EXPERIENCE**

1. Assistant/Associate Professor, Lunding College, Lunding = 34 years
2. Guest Faculty, Diphu campus, Assam University = 10 years

## **TECHNICAL QUALIFICATION**

1. Tissue culture techniques
2. SPSS- statistical analysis

## **RESEARCH GUIDANCE**

1. M.Phil. - 02 students
2. Ph.D. - 01 student

## **PROFESSIONAL MEMBERSHIP**

1. Life member - Zoological survey of Assam
2. Life member - Biotech Research communication
3. Fellow- Society for science & nature
4. Sub editor- Bioscience Biotechnology Research Communication International
5. Life member – Indian Society of Cell Biology